

L4 ANSWER 439 OF 561 CA COPYRIGHT 2004 ACS on STN  
 AN 100:86711 CA  
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 TI Phenolic resin compositions  
 PA Sumitomo Bakelite Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC C08L061-06; C08K003-22; C08K003-30; C08K005-20  
 CC 37-6 (Plastics Manufacture and Processing)  
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PI	JP 58149939	A2	19830906	JP 1982-30605	19820301
	JP 62055550	B4	19871120		
PRAI	JP 1982-30605		19820301		

AB Al(OH)3 can be added as a flame retardant to phenolic resol compn. without interfering with the crosslinking reaction if it is combined with **gypsum** in a ratio of 0.5-0.40:1. Resol phenolic resin 100, **water** 10, **gypsum** 100, Al(OH)3 15, and 60% aq. p-toluenesulfonic acid curing catalysts 15 parts were mixed and applied to a 300-g/m2 glass fiber mat, left overnight at 15.degree., then heated to 50.degree. for 2 h to obtain a reinforced plate .apprx.3-mm thick, which past the Japanese Transport Ministry flammability test.  
 ST **aluminum hydroxide** fireproofer phenolic resin; resol flame retardant **aluminum hydroxide**; **gypsum** **aluminum hydroxide** flame retardant; **calcium sulfate** **aluminum hydroxide** fireproofer  
 IT Fireproofing agents  
 (aluminum hydroxide-gypsum mixts., for